

ABSTRACT OF THE DISCLOSURE

RARE-EARTH PEROVSKITE COLLOIDAL DISPERSION AND METHOD  
FOR THE PRODUCTION THEREOF

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The invention relates to a colloidal dispersion of a rare earth perovskite structured compound of formula  $\text{LnBO}$ ; (1) wherein Ln is at least one rare earth other than cerium alone and B is at least one element selected from the group including elements whose atomic number is 22 - 31, 40 - 51, 73 - 83 and aluminium. The dispersion is obtained by reacting a perovskite of formula (1), exhibiting elementary crystallites of a maximum of 500 nm with a monovalent acid having a pka ranging between 2.5 and 5.0; heating the mixture obtained at a temperature of 50 .C and 200 .C; and purification, if necessary, of the reactional medium thus obtained. The dispersion according to the invention can be used in the production of catalysts.;

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